

LPL Blocking Peptide
Catalog # PBV10459b**Specification**

LPL Blocking Peptide - Product Information

Primary Accession	Q06000
Other Accession	AAH81836.1
Gene ID	24539
Calculated MW	53082

LPL Blocking Peptide - Additional Information**Gene ID** 24539**Application & Usage**

The peptide is used for blocking the antibody activity of LPL. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Lipoprotein lipase, LPL, 3.1.1.34, Lpl

Target/Specificity

LPL

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

LPL Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

LPL Blocking Peptide - Protein Information**Name** Lpl**Function**

Key enzyme in triglyceride metabolism (By similarity). Catalyzes the hydrolysis of triglycerides from circulating chylomicrons and very low density lipoproteins (VLDL), and thereby plays an important role in lipid clearance from the blood stream, lipid utilization and storage (By similarity).

Although it has both phospholipase and triglyceride lipase activities it is primarily a triglyceride lipase with low but detectable phospholipase activity (By similarity). Mediates margination of triglyceride-rich lipoprotein particles in capillaries (By similarity). Recruited to its site of action on the luminal surface of vascular endothelium by binding to GPIHBP1 and cell surface heparan sulfate proteoglycans (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P11151}; Peripheral membrane protein {ECO:0000250|UniProtKB:P11151}; Extracellular side {ECO:0000250|UniProtKB:P11151}. Secreted {ECO:0000250|UniProtKB:P11151}. Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P11151}. Note=Newly synthesized LPL binds to cell surface heparan proteoglycans and is then released by heparanase. Subsequently, it becomes attached to heparan proteoglycan on endothelial cells. Locates to the plasma membrane of microvilli of hepatocytes with triglyceride-rich lipoproteins (TRL) Some of the bound LPL is then internalized and located inside non-coated endocytic vesicles. {ECO:0000250|UniProtKB:P11151}

LPL Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LPL Blocking Peptide - Images